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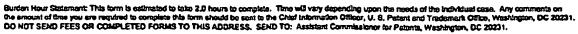
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Application Number	09/599,812					
Filing Date	Jun 21, 2000					
First Named Inventor	Митау					
Group Art Unit	2124					
Examinar Name	NAHAR, QAMRUN					
Attorney Docket Number	MS1-586US					

	U.S. PATENT DOCUMENTS						
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QN		6,081,610		Dwork et al.	06/27/2000		
97		6,094,657		Hailpern et al.	07/25/2000		
Qh		6,108,783		Krawczyk et al.	08/22/2000		
an		6,167,521		Smith et al.	12/26/2000		
84		6,253,374		Dresevic et al.	06/26/2001		
QN		6,263,313		Milsted et al.	07/17/2001		
Oh		6,275,599		Adler et al.	08/14/2001		
GN		6,292,897		Gennaro et al.	09/18/2001		
00		6,311,271	i	Gennaro et al.	10/30/2001		
BN		6,321,334		Jerger et al.	11/20/2001		
34		6,345,256		Milsted et al.	02/05/2002		
96		6,345,361		Jerger et al.	02/05/2002		
34		8,366,912		Wallent et al.	04/02/2002		
an		8,473,800		Jerger et al.	10/29/2002		
34		6,505,300		Chan et al.	01/07/2003		
ar		8,548,548		Van Doom	04/08/2003		
30		6,609,200		Anderson et al.	08/19/2003		
40		6,643,684		Malkin et al.	11/04/2003		
an		6,691,230		Bardon	02/10/2004		
QN		6,697,944		Jones et al.	02/24/2004		

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Filing Date	Jun 21, 2000				
First Named Inventor	Murray				
Group Art Unit	2124				
Examiner Name	NAHAR, QAMRUN				
Attorney Docket Number	MS1-586US				

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QN		8,578,144		Gennaro et al.	06/10/2003	
QN		8,701,434		Rohatgi	03/02/2004	
BN		6,711,679		Gusid et al.	03/23/2004	
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First Named Inventor	Murray				
Group Art Unit	2124				
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		NON PATENT LITERATURE DOCUMENTS	
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QN		Description of Whitehill Composer software product producted by Whitehill Technologies Inc. available at http://www.xml.com/pub/p/221 accessed on April 8 2004, 2 pages.	
QN		HWANG et al.; "Micro-Firewalls for Dynamic Network Security with Distributed Intrusion Detection"; IEEE International Symposium on Network Computing and Applications; 2001; pp. 68-79.	
QN		AIYA et al.; "Specifying Runtime Environments and Functionalities of Downloadable Components Under the Sandbox Mode"; International Symposium on Principles of Software Evolution; 2000; pp. 138-142.	
ВИ		KOMATSU N. et al.; "A proposal on digital watermark in document Image communication and its application to realizing a signature" Electronics and Communications in Japan Part 1 (Communications) vol. 73 no. 5 pp. 22-33.	
ND		PREVELAKIS et al.; "Sandboxing Applications"; Proceedings of the FREENIX Track; 2001; pp. 119- 126.	
QN		SCHMID et al.; "Protection Data from Malicious Software"; 18th Annual Computer Security Applications Conference; 2002; pp. 199-208.	
QN		TOMIMORI et al.; "An Efficient and Ftexible Access Control Framework for Java Programs in Mobile Terminals"; 22nd International Conference on Distributed Computing Systems Workshops; 2002; pp. 777-782	
BN		SUN, et al.; "A Robust and Secure Media Signature Scheme for JPEG Images" IEEE 2002 pgs 298- 299	
QN.		NOORE, A.; "A Secure Conditional Access System using Digital Signature and Encryption" IEEE, 2003, pgs 220-221	
BN		CLARKE, P.; "From small beginnings" Knowledge Management November 2001, 3 pages	

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U.S. PATENT DOCUMENTS U.S. Patent Opcument Date of Publication of Cha Name of Patentee or Applicant Where Relevant Passocias or Relevant IOnd Code Cited Document of Cited Document initials' Number MIM-DD-YYYY Pictures Appear 5.845.077 Fawcett 12/01/1998 ØИ 4,910,663 Bailey 03/20/1990 Van Huben et al. 10/20/1998 5<u>.826.265</u> 6,604,099 Chung et al. 08/05/2003 6,381,742 04/30/2002 Forbes et al. Meyer et al. 04/21/1998 5.742.504 6,611,840 Baer et el. 08/26/2003 5.436.637 Gayraud et al. 07/25/1995 6.505.230 01/07/2003 Mohan et al 6,357,038 Scouten 03/12/2002 RECEIVED BN 6,054,987 Richardson 04/25/2000 5.798.757 Smith 08/25/1998 IAN 4 2004 5 602 996 Powers, III et al. 02/11/1997 5,195,183 Miller et al. 03/16/1993 5.950.010 09/07/1999 **Technology Center 2100** Hesse et al. 02/24/1998 5,721,824 Taylor 6.615.276 Mastrianni et al. 09/02/2003 BN 6.219.698 lannucci et al. 04/17/2001 4,641,274 Swank 02/03/1987 Halpem et al. 16,282,711 08/28/2001

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QN		W	O 99/56207		INTERVU, INC.	11/04/1999		
QN		EI	P 0 841 615 A2		INT COMPUTERS LTD	05/13/1998		Т
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BW		5,859,973		Carpenter et al.	01/12/1999	
30		5,313,631		Kao	05/17/1994	
00		5.390.325		Miller	02/14/1995	
04		5,845,090		Collins, III et al.	12/01/1998	
QN		5,999,740		Rowley	12/07/1999	
W		5.761.408		Kolawa et al.	06/02/1998	
96		5,835,777		Steelin	11/10/1998	
an		6.052.710		Saliba et al.	04/18/2000	
an		6.611.822		Beams et al.	08/26/2003	
an		6,347,323		Garber et al.	02/12/2002	
an		6,308,179		Petersen et al.	10/23/2001	RECEIVED
an		6,460,058		Koppolu et al	10/01/2002	
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30		5,627,979	-+-	Chang et al.	05-06-1997	· T
60		5,915,112		Boutcher	06-22-1999	
60		6,084,585		Kraft et al.	07-04-2000	
NN		6,209,128		Gerard et al.	03-27-2001	
Gb.		8.425.125		Fries et al.	07-23-2002	
(30)		6,507,856		Chen et al.	01-14-2003	
34		6.516.322		Meredith	02-04-2003	
an		6.549.221		Brown et al	04-15-2003	
LAN		6,571,253		Thompson et al.	05-27-2003	RECEIVED
ďά		6,584,548		Boume et al.	06-24-2003	TILOLIVED
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